

AMENDMENTS TO THE CLAIMS

1-5. (Cancelled)

6. (Currently Amended) A sliding member comprising:

a back-metal and metal; and

a sintered sliding body combined with the back metal,

wherein said sintered sliding body is composed of a sintered compact containing Cu or Cu alloy in an amount of 10 to 95wt% and a residue ~~residual~~ made of Mo principally,

wherein said sintered compact has ~~having~~ a relative density of ~~80% or more~~, at least 80%,
and

wherein said sintered compact contains Mo in an amount of 35 to 75wt%.

7-56. (Cancelled)

57. (New) A sliding member according to claim 6, wherein said sintered compact is formed by sintering an Mo compact while simultaneously infiltrating the Mo compact with Cu or Cu alloy, and

wherein said sintered compact has a porosity of 7% or less by volume.

58. (New) A sliding member according to claim 57, wherein said Mo compact is composed of Mo powder having an average grain size of 10mm or less, and

wherein said Mo compact contains at least one of hard particles in a content of 0.2 to 10% by volume and a solid lubricant having an average grain size of 30nm or more in a content of 60% by volume.

59. (New) A sliding member according to claim 6, wherein said sintered compact contains Cu alloy phase, the Cu alloy phase containing Sn in an amount of 5 to 20wt%.

60. (New) A sliding member according to claim 59, wherein the Cu alloy phase in said sintered compact contains at least one element selected from the group consisting of Ti of 0.2 to 5wt%, Al of 0.2 to 14wt%, Pb of 0.2 to 15wt%, P of 0.1 to 1.5wt%, Zn of 0.1 to 10wt%, Ni of 0.1 to 10wt%, Co of 0.1 to 5wt%, Mn of 0.1 to 10wt%, and Si of 0.1 to 3wt%.

61. (New) A sliding member according to claim 6, wherein sliding surfaces of said sintered sliding body are formed with recesses, and

wherein the recesses are filled with one of a lubricating compound of a lubricating oil and a wax, a lubricating resin, a solid lubricant, and a lubricating compound of a solid lubricant and a wax.

62. (New) A sliding member according to claim 6, wherein said back metal is one of a back metal of a sliding bearing, a substrate of a bearing shaft supporting a rotating body, and a substrate of a spherical bushing.

63. (New) A sliding member according to claim 6, wherein said sintered sliding body is combined with said back metal by a method selected from the group consisting of sintering-bonding, sintering-infiltrating-bonding, brazing, caulking, fitting, forcing, adhesion, bolt tightening, and clinching.

64. (New) A sliding member according to claim 6, wherein said sintered sliding body is combined with said back metal by sintering-bonding, and

wherein said sintered body contains a bronze alloy phase, said bronze alloy phase in said sintered sliding body containing at least either one of Ti or Al in an amount of at least 0.5wt%.

65. (New) A sliding member according to claim 6, wherein said sintered compact has a thermal expansion coefficient of 1.1 to 1.5×10^{-5} .

66. (New) A sliding member according to claim 6, wherein said sintered sliding body has a sintered density of at least 8.2 gr/cm^3 .

67. (New) A sliding member comprising:

a back metal; and

a sintered sliding body combined with the back metal,

wherein said sintered sliding body is composed of a sintered compact containing Cu or Cu alloy in an amount of 10 to 95wt% and a residue made of Mo principally,

wherein said sintered compact has a relative density of at least 80%,

wherein said sintered compact contains Mo in an amount of 35 to 75wt%,

wherein said sintered compact is formed by sintering an Mo compact while simultaneously infiltrating the Mo compact with Cu or Cu alloy,

wherein said sintered compact has a porosity of 7% or less by volume,

wherein said Mo compact is composed of Mo powder having an average grain size of 10mm or less,

wherein said Mo compact contains at least one of hard particles in a content of 0.2 to 10% by volume and a solid lubricant having an average grain size of 30mm or more in a content of 60% by volume,

wherein said sintered compact contains Cu alloy phase, the Cu alloy phase containing Sn in an amount of 5 to 20wt%,

wherein the Cu alloy phase in said sintered compact contains at least one element selected from the group consisting of Ti of 0.2 to 5wt%, Al of 0.2 to 14wt%, Pb of 0.2 to 15wt%, P of 0.1 to 1.5wt%, Zn of 0.1 to 10wt%, Ni of 0.1 to 10wt%, Co of 0.1 to 5wt%, Mn of 0.1 to 10wt%, and Si of 0.1 to 3wt%,

wherein said sintered sliding body has sliding surfaces formed with recesses,

wherein the recesses are filled with one of a lubricating compound of a lubricating oil and a wax, a lubricating resin, a solid lubricant, and a lubricating compound of a solid lubricant and a wax,

wherein said back metal is one of a back metal of a sliding bearing, a substrate of a bearing shaft supporting a rotating body, and a substrate of a spherical bushing,

wherein said sintered sliding body is combined with said back metal by sintering-bonding,

wherein said sintered body contains a bronze alloy phase, said bronze alloy phase in said sintered sliding body containing at least either one of Ti or Al in an amount of at least 0.5wt%,
and

wherein said sintered compact has a thermal expansion coefficient of 1.1 to 1.5×10^{-5} .